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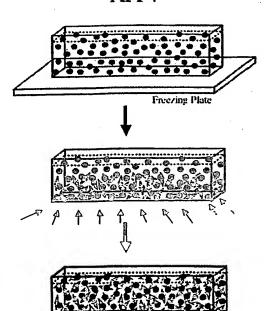
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(54) Title: METHOD OF INHIBITING FREEZE CONCENTRATING OF SUBSTANCE IN WET MATERIAL, METHOD OF INHIBITING DEACTIVATION OF PHYSIOLOGICALLY ACTIVE SUBSTANCE, AND PROCESS FOR PRODUCING LYOPHILIZATE OR FROZEN MATTER HAVING COMPONENT HOMOGENEOUSLY DIFFUSED THEREIN

(54) 発明の名称: 含水物中における物質の凍結濃縮を抑制する方法、生理活性物質の失活を抑制する方法、および成分が均質に拡散した凍結物又は凍結乾燥物を製造する方法

AFP+



(57) Abstract: When in the freezing of a wet material containing water molecules and a substance other than water molecules, freeze concentrating of the substance in the wet material is to be inhibited, when in the freezing of a wet material containing a physiologically active substance, deactivation of the physiologically active substance is to be inhibited, and when through freezing or lyophilization of a wet material containing water molecules and a component other than water molecules, it is intended to produce a lyophilizate or frozen matter having the component homogeneously diffused therein, an antifreeze protein is added to the wet material.

(57) 要約: 水分子及び水分子以外の物質を含む含水物を凍結する際、前記含水物中における前記物質の凍結濃縮を抑制する場合において、生理活性物質を含む含水物を凍結する際、該生理活性物質の失活を抑制する場合において、または水分子及び水分子以外の成分を含む含水物を凍結又は凍結乾燥させて、前記成分が均質に拡散した凍結物又は凍結乾燥物を製造する場合において、前記含水物に不凍タンパク質を添加する。

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International application No. PCT/JP03/17020

A. CLASS Int.	IFICATION OF SUBJECT MATTER Cl ⁷ A01N1/02, A61K9/19, 35/14,	47/42, A23L3/36	·
According to	o International Patent Classification (IPC) or to both nat	ional classification and IPC	
B. FIELDS	S SEARCHED	•	
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	ion searched other than minimum documentation to the		
Electronic d	ata base consulted during the international search (name	e of data base and, where practicable, sear	ch terms used)
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X Furth	er documents are listed in the continuation of Box C.	See patent family annex.	
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